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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-2071

1a. TYPE OF WELL

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

16. Date T.D. Reached 3/10/78

17. Date Compl. (Ready to Prod.) 3/19/78

18. Elevations (DF, RKB, RT, GR, etc.) 3658.4' GR

19. Elev. Casinghead

20. Total Depth 6370'

21. Plug back T.D. 6310'

22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools 0-6370'

24. Producing Interval(s), of this completion - Top, Bottom, Name 6196-6210' Abo Reef

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run DLL-RXO w/Cal, CNL-FDC w/Cal, GR, BHC-VDL, CBL & Base Temp logs

27. Was Well Cored No

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project

8. Term or Lease Name
Empire Abo Unit "H"

2. Name of Operator Atlantic Richfield Company

3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240

9. Well No. 331

4. Location of Well

10. Field and Pool, or Wildcat
Empire Abo

UNIT LETTER M LOCATED 1000 FEET FROM THE South LINE AND 1200 FEET FROM THE West LINE OF SEC. 34 TWP. 17S RGE. 28E NMPM

11. County Eddy

15. Date Spudded 2/23/78

12. County

20. Total Depth 6370'

13. Elevation (DF, RKB, RT, GR, etc.) 3658.4' GR

24. Producing Interval(s), of this completion - Top, Bottom, Name 6196-6210' Abo Reef

19. Elev. Casinghead

26. Type Electric and Other Logs Run DLL-RXO w/Cal, CNL-FDC w/Cal, GR, BHC-VDL, CBL & Base Temp logs

25. Was Directional Survey Made No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24# K-55	600'	11"	280 sx	
5-1/2" OD	15.5# K-55	6370'	7-7/8"	1210 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	6077'	6077'

31. Perforation Record (Interval, size and number)

6196, 97, 98, 99, 6200', 01, 02, 03, 04, 05, 06, 07, 08, 09, 10' (28 - .46" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6196-6210'	300 gals 15% HCL-NE w/RA, 1000 gal 10# CaCl wtr, 2000 gal 70/30 15% acid/xylene, flushed w/18 BO.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)					
3/19/78	Flowing	Prod					
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
3/20/78	24	48/64"		251	54	1	215:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
110#	Pkr		251	54	1	44°	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By N. H. Truitt

35. List of Attachments

Logs as listed in Item 26 above & Inclination Report

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED _____ TITLE Dist. Drlg. Supt. DATE 3/21/78

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 90 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run in the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 6161'	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 6196' to 6210' No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet. None Encountered
 No. 2, from _____ to _____ feet.
 No. 3, from _____ to _____ feet.
 No. 4, from _____ to _____ feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	600	500	Surface & Red Bed				
600	1400	800	Anhydrite, Dolo Sand				
1400	2310	910	Dolo, sand, lime				
2310	3700	1390	Dolo				
3700	4000	300	Lime & sand				
4000	4250	250	Lime & Dolo				
4250	4450	200	Sand & lime				
4450	4545	95	Lime & Chert				
4545	5020	475	Sand				
5020	6200	1180	Lime & Chert				
6200	6370	170	Dolo				

COUNTY Eddy

OCC NUMBER _____

LESSOR Atlantic Richfield Company ADDRESS P. O. Box 1710 Hobbs, NM 88240WELL NO. 331SURVEY 1000' FSL & 1200' IWLRECORD OF INCLINATIONDEPTH (FEET)ANGLE OF
INCLINATION (DEGREES)

476

1 1/2

1091

1

1468

3/4

1973

1 3/4

2315

2

2795

1 3/4

3072

2 1/4

3557

2

4059

1 3/4

4406

2 1/4

4847

2

5035

4

5162

4

5288

4 1/2

5413

4 1/2

5535

4 3/4

5756

4 1/2

5943

4 1/2

6156

4

6370

4

RECEIVED

MAR 28 1978

C. D. B.
ARTERIA, OFFICE

Certification of personal knowledge Inclination Data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: _____

Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

21st day of April, 1978.

Lois Ann Witcher Notary Public in and for Hobbs County, N.M.

Lois Ann Witcher